CZECHOSLOVAKIA/General Problems of Pathology - Tumors.   T-5

Abs Jour   : Ref Zhur - Biol., No 3, 1958, 12709

liver and spleen, and Compounds 604 and 604 Br, as well as
6 mercaptopurine and cortisone, retard the growth of sarco-
ma 180. Six-mercaptopurine causes a significant drop in
circulating leukocytes in leukemic mice while myleran and
cortisone produce a lesser decrease. Six-mercaptopurine
and myleran cause a significant decrease, and Compound 604
Br an increase, in the absolute number of neutrophils.
Under the influence of these drugs, mice with sarcoma 180
had a retardation of tumor growth and a neutropenia, which
was especially pronounced in mice with a long survival be-
cause they were treated with Cmd. 604 Br and cortisone.
Depression of the white count, including neutrophils, was
observed after treatment with myleran; this was not ac-
companied by interference with tumor growth or increased
survival rate.

Card 2/2

PUJMAN, V.; DOLEZELOVA, V.; PROKOPOVA, S.; RYCHTEROVA, H.

Sensitivity of certain leukemic and leukemoid changes to anti-cancer drugs. Cesk. fysiol. 6 no.4:523-526 Nov 57.

1. Vyzkumny ustav pro farmacit a biochemii, Praha.
        (BUISULFAN, effects,
            on exper. leukemic & leukemoid reactions (Cz))
        (LEUKEMIA, experimental,
            eff. of busulfan on leukemic & leukemoid reactions (Cz))

PUJMAN, V.; PROKOPOVA, S.; RYCHTEROVA, H.

Studies on blood picture in Sigmodom hispidus. Cesk. fysiol. 6 no.4:
533-535 Nov 57.

1. Vyzkumny ustav pro farmacil a biochemii, Praha.
      (BLOOD CELLS,
          count in Sigmodom hispidus (Cz))

GEORGIEV,G.; PETROV,A.; IVANOVA,N.; PROKOPOV,V.

Effect of bronchography on respiratory function. Khirurgiia
(Sofiia) 16 no.9:853-855 '63.

TALANKIN, P.; ZOLOTAREV, I.; PROKOPOV, V.

Improve the training of specialists. Pozh. delo 5 no.5:22 My '59.
(MIRA 12:6)

(Fire prevention—Study and teaching)

LIBENKO, V.G., inzh.; PROKOPOV, V.I., inzh.; GRISHKO, V.V., inzh.

Completely mechanized unit for the production of reedwork
panels. Stroi.mat. 8 no.7:21-23 Jl '62.   (MIRA 15:8)
(Reed products)

PROKOPOV, V.K. (Leningrad)

"The homogeneous solutions of the theory of elasticity and their application to the theory of thin plates.

Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

PROKOPOV, V.K.

Bending of a heavy circular plate. Trudy LPI no.226:103-108 '63.
(MIRA 16:9)
(Elastic plates and shells)

LUR'YE, A.I.; PROKOPOV, V.K.

      Calculating stresses in spheres supporting eccentrically loaded
      plates. Trudy LPI no.192:36-42 '58.   (MIRA 11:6)
               (Strains and stresses)

BOROVSKIY, R.I.; KATS, A.M.; PROKOPOV, V.K.

Theory of linear filtering accelerometers. Trudy LPI no.192:84-97
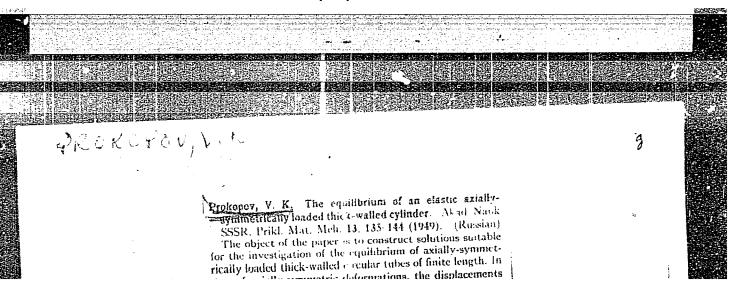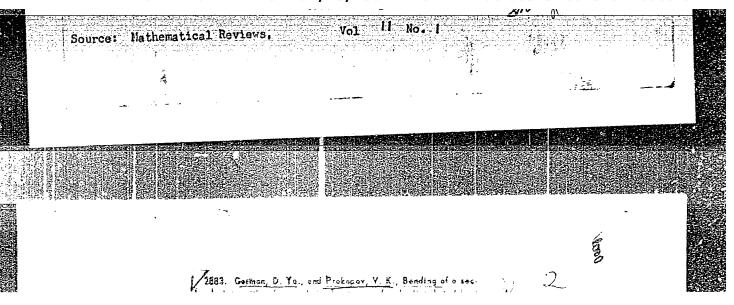'58.   (MIRA 11:6)
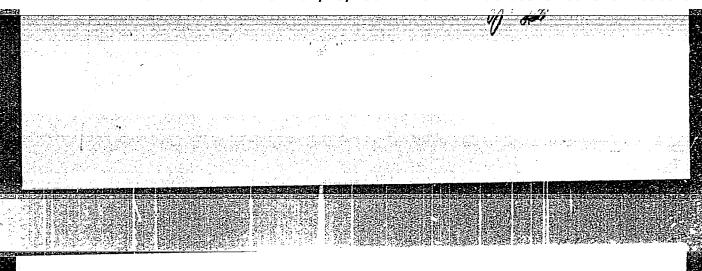(Accelerometers)

KATS, Arnol'd Moiseyevich; PROKOPOV, V.K., redaktor; FEL'DMAN, G.I., redaktor; GAVRILOV, S.S., tekhnicheskiy redaktor

[Theory of elasticity] Teoriia uprugosti. Pri red. uchastii V.K. Prokopova. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 207 p.   (MLRA 10:3)
        (Elasticity)

Prokorov, V. K.

9

Prokopov, V. K. The equilibrium of an elastic axially-symmetrically loaded thick-walled cylinder. Akad Nauk SSSR. Prikl. Mat. Meh. 13, 135-144 (1949). (Russian) The object of the paper is to construct solutions suitable for the investigation of the equilibrium of axially-symmetrically loaded thick-walled circular tubes of finite length. In the case of symmetric deformations, the displacements

Source: Mathematical Reviews,   Vol II No. I

2883. Gofman, D. Ya., and Prokopov, V. K., Bending of a sec-   2

GEORG.EV, G.; PROKOPOV,V. IVANOVA, N. ; PETROV, A.

.λyhemometry and orжncnospirжж ... thirurgiia (Sofiia) 17 no.4:471-476 '64

1. Sanatorium "Iskrets" (gl. leker: T.Popov).

Prokopov, V. K.

USSR/Physics – Elasticity Theory

Feb 53

"Solutions to the Equations of Equilibrium in the Axisymmetrical Problem of Elasticity Theory," S.I. Trenin, Chair of Elasticity Theory, Moscow St. U

Vest Moskov U, Ser Fiz-Mat i Yest Nauk, No 1, pp 7-14

Considers the solution to the eqs of equilibrium of the axisymmetrical problem of elasticity theory which were obtained by S. P. Timoshenko, B. G. Galerkin, P. F. Papkovich, A. Lyav, A. Feppl and L. Feppl, and V. K. Prokopov. Here the author clarifies the following the following three matters: (a) the role of limitations which are imposed on the stress function when the equilibrium eqs are satisfied by the solns; (b) their mutual connection and the possibility of their transitions from one form to another; (c) their generality. Presented 12 A'r 52.
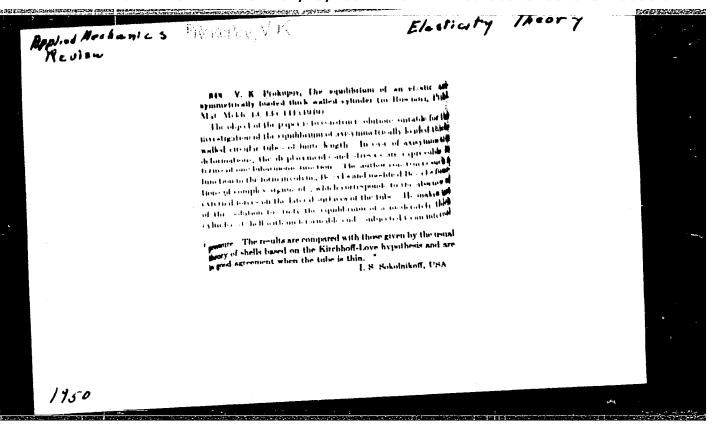
269T95

PROKOPOV, V. K.

Mbr., Leningrad Polytechnic Inst., im. M. I. Kalinin, -1948-c50-.

"Equilibrium of an Elastic Axisymmetrically Loaded Thick-Walled Cylinder,"

Prik. Matemat. i Mekh., 13, No. 2, 1949;

"Flexure of Circular Plate Axisymmetrically Loaded," ibid., 14, No. 5, 1950

Applied Mechanics Review

Elasticity Theory

V. K. Prokopov, The equilibrium of an elastic axisymmetrically loaded thick walled cylinder (in Russian), Prikl. Mat. Mekh. 14, 131-141 (1950).

The object of the paper is to construct solutions suitable for the investigation of the equilibrium of axisymmetrically loaded thick walled circular tubes of finite length. In case of axisymmetric deformations, the displacements and stresses are expressible in terms of one biharmonic function. The author constructs such functions in the form involving Bessel and modified Bessel functions of complex argument, which correspond to the absence of external forces on the lateral surfaces of the tube. He makes use of the solutions to study the equilibrium of a moderately thick cylinder of finite wall, considerable and subjected to an internal pressure. The results are compared with those given by the usual theory of shells based on the Kirchhoff-Love hypothesis and are in good agreement when the tube is thin.

I. S. Sokolnikoff, USA

1950

ACCESSION NR: AP4027592   S/0040/64/028/002/0351/0355

AUTHOR: Prokopov, V. K. (Leningrad)

TITLE: Relation of generalized orthogonality of P. F. Papkovich for a rectangular plate

SOURCE: Prikladnaya matematika i mekhanika, v. 28, no. 2, 1964, 351-355

TOPIC TAGS: Saint-Venant principle, orthogonality, rectangular plate, biharmonic equation, equilibrium, stress function, thin plate

ABSTRACT: A biharmonic equation in Cartesian coordinates $\triangle\triangle W = 0$ allows particular solutions of the form

$$W_k = e^{-\beta_k x} F_k(y) \qquad (1)$$

which are applicable to the problem of equilibrium of a thin plate. In the case of flexure, W is the depression; for the plane problem, W is the stress function. The functions $F_k(y)$ satisfy the differential equation

$$F_k^{IV} + 2\beta_k^2 F_k'' + \beta_k^4 F_k = 0 \qquad (2)$$

Card 1/3

ACCESSION NR: AP4027592

and the parameters β_k are determined by the boundary conditions of the problem. For example, when the following conditions are satisfied,

$$F_k(\pm 1) = 0, \quad F_k'(\pm 1) = 0 \tag{3}$$

which corresponds to absence of stresses on the boundaries $y = \pm 1$ in the plane theory of elasticity or rigid fixing of these boundaries in the flexure problem, the parameters β_k will be roots of the transcendental equation $\sin \beta \, \cos \beta \pm \beta =$ 0. In this case, the following result is due to P. F. Papkovich: he found the relation of "generalized orthogonality"

$$\int_{-1}^{1} (F_k'F_s' - \beta_k^2\beta_s^2 F_k F_s)\, dy = 0 \quad (k \neq s) \tag{4}$$

which the functions $F_k(y)$ satisfy in the presence of condition (3). However, (4) holds not only when (3) is satisfied. In order to show this, the author derives (4) without involving (3). He uses this to treat the cases of flexure of a plate with rigidly held boundaries and of the plane problem in elasticity theory for a

Card 2/3

ACCESSION NR: AP4027592

semi-infinite strip whose boundary is free of external forces. Orig. art. has:
28 formulas.

ASSOCIATION: none

SUBMITTED: 19Nov63   DATE ACQ: 28Apr64   ENCL: 00

SUB CODE: MM   NO REF SOV: 005   OTHER: 000

Card 3/3

PROKOPOV, V.K.   (Leningrad)

Generalization of Green's formula. Prikl. mat. i mekh. 28
no.1:128-130 Ja-F'64.   (MIRA 17:2)

PROKOPOV, V K.

PHASE I BOOK EXPLOITATION   1076

Leningrad. Politekhnicheskiy institut

Dinamika i prochnost' mashin; (Dynamics and Strength of Machines;
   Collection of Articles) Moscow, Mashgiz, 1958.   (Series: Its:
. Trudy, No. 192) 234 p. 3,300 copies printed.

Ed.: Lur'ye, A.I., Doctor of Technical Sciences, Professor;
. Tech. Ed.: Pol'skaya, R.G.; Resp. Ed. of Series: Smirnov, V.A.,
   Doctor of Technical Sciences, Professor; Managing Ed. for Literature
   on the Design and Operation of Machines (Leningrad Division,
   Mashgiz): Fetisov, F.I., Engineer.

PURPOSE: This collection of articles is intended for scientific and
 · engineering workers concerned with problems of dynamics and strength of
   machines.

COVERAGE: The collection contains articles on problems of the theory
   of elasticity, oscillation, and automatic control.

Card 1/5

Dynamics and Strength of Machines (Cont.)   1076

TABLE OF CONTENTS:

Card 2/5

Dynamics and Strength of Machines (Cont.)   1076

16. Troitskiy, V.A. Stability of Intermittent-control
     Systems With Two Pulse Elements

AVAILABLE: Library of Congress   220

GO/ksv
1-27-59

Card 5/5

PANOV, V. M., and STRUT, D. Ya.

The bending of sector plates with fixed circluar rims by means of evenly distributed
load. "Inzhinernyy Sbornik" By Academy of Science of the USSR, Department of
Technical Sciences, Institute of Mechanics.
1955.

PROKOPOV, V. K.

Prokopov, V. K. On a plane problem of the theory of elasticity for a rectangular region. Akad. Nauk SSSR. Prikl. Mat. Meh. 16, 45–56 (1952). (Russian)

The author had previously [same journal 14, 527–536 (1950); these Rev. 13, 88] applied the procedure employed by Papkovič [C. R. (Doklady) Acad. Sci. URSS 27, 334–338 (1940); these Rev. 2, 232] and Lur'e [Akad. Nauk SSSR. Prikl. Mat. Meh. 6, 151–168 (1942); these Rev. 5, 138] in plane elasticity problems, in order to find the bending of a circular plate under axially symmetric loads. In the present paper the author extends the procedure of Papkovič and Lur'e, applying it to the problem of determining the state of stress in a bar of rectangular cross section $-a \leqq x \leqq a$, $-b \leqq y \leqq b$, when the only force acting on $y=b$ is a concentrated load (in the $-y$ direction) at the point $x=c$, $y=b$; $y=-b$ is free of load; and the sides $x=\pm a$ are held fixed (the actual conditions required are that $u=0$ on $-b<y<b$, $v=0$ for $y=0$, on $x=\pm a$, where u and v are the displacements in the x and y directions respectively). The corresponding biharmonic stress function and the displacements are obtained explicitly. The case of distributed loads along $y=\pm b$ and the limiting case of b/a small are discussed subsequently.

J. B. Dias (College Park, Md.).

Prokopov, V. K. Problem of restrained bending of a rectangular strip. Akad. Nauk SSSR, Inženernyĭ Sbornik 11, 151–160 (1952). (Russian)

The classical theoretical solution of a cantilever beam possesses the following shortcoming: The boundary conditions at the fixed end are satisfied only for the center of the cross-section. This does not affect the correctness of the solution further along the beam, but the stress distribution in the most interesting cross-section cannot be obtained. P. F. Papkovich [C. R. (Doklady) Acad. Sci. URSS (N.S.) 27, 334–338 (1940); these Rev. 2, 332] and A. I. Lourye [Akad. Nauk SSSR. Prikl. Mat. Meh. 6, 151–168 (1942); these Rev. 5, 138] applied a homogeneous solution of the elasticity equations and obtained a more accurate picture at the fixed end. They used series of complex functions depending on complex roots of a transcendental equation. Their method is not very practical for actual computations.

The author of this paper presents a more convenient solution. His biharmonic stress function consists of series of real functions whose coefficients depend on real and imaginary parts of roots of a transcendental equation. The function is very ingeniously constructed. The stress function indicates a two-dimensional problem, and this is what the author means by restrained bending. He derives the general formulas and then gives an example of a long cantilever beam (the width is small as compared with the length), a bending moment applied at the free end. The stresses at the fixed-end cross-section are found and tabulated.

T. Leser (Lexington, Ky.).

168T73

USSR/Physics - Plates
          Stresses   Sep/Oct 50

"Flexure of Circular Plate Axisymmetrically Loaded,"
V. K. Prokopov, Leningrad Polytech Inst

"Priklad Matemat i Mekh" Vol XIV, No 5, pp 527-536

Applies A. I. Lur'ye method for setting up solutions
of elasticity equations to subject flexure of plate
bearing arbitrary radial-symmetrical load. Radial dis-
placements are absent on entire lateral surface of
plate. Submitted 1 Jun 50.

168T73

PROKOPOV, V. K.

Deformations (Mechanics)

Compressed bending of a rectangular bar. Inzh. sbor. No. 11, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

PROKOPOV, V. K.

USSR/Mathematics - Elasticity   Jan/Feb 52

"A Plane Problem of the Theory of Elasticity for
a Rectangular Region," V. K. Prokopov, Leningrad
Polytech Inst

"Prik Matemat i Mekh" Vol XVI, No 1, PP 45-56

Simple solns of problem in cartesian coordinates
may be obtained by taking polynomials of various
powers as function of tension. Solns, better
satisfying boundary conditions may be found in
works by P. F. Papkovich (cf. "Dok Ak Nauk SSSR"
Vol XXVII, No 4, 1940) and A. I. Lur'ye (PMM,

203T56

USSR/Mathematics - Elasticity   Jan/Feb 52
          (Contd)

Vol VI, No 2-3, 1942). Author applied Papkovich-
Lur'ye soln to problem of round plate bent by
axially sym load (cf. PMM, Vol XVI, No 5, 1950).
Herein the method is generalized. Submitted
7 Apr 1951.

203T56

203T56

GERMAN, D.Ya. (Leningrad); PROKOPOV, V.K. (Leningrad)

Bending of a sectoral plate with a fastened rim due to uniformly distributed load. Inzh.sbor. no.21:120-127 '55.   (MIRA 8:11)

1. Leningradskiy politekhnicheskiy institut.
(Flexure)

1. PROKOPOVA, A. G.

2. USSR (600)

4. Sysert' District - Geology

7. Geological map of the Urals in the scale of 1: 50,000, plate O-41-122-B (Southern
    half), O-41-122-G, O-41-134-A (Northern half) (report on the geological-Surveying
    work in the Sysert' District of the Sverdlovsk Province). (Abstract). Izv. Glav.
    upr. geol. fon. no. 3, 1947.

9. Monthly List of Russian Accessions, Library of Congress, _____March_____1953, Uncl.

PROKOPOVA, Alena (Stara Boleslav, Jana Opletala 776)

Change in the relation of Melandrium album offspring sex depending
on the age of its blooms. Biologia plantarum 6 no. 2:99-103 '64.

1. Institute of Genetics, Faculty of Natural Sciences, Charles
University, Prague.

PROKOPOVA, D.

Experience with parpanit in post-commotio bilateral extra-pyramidal syndrome in a woman. Prakt. lek.,Praha 31 no. 4:83-85 20 Feb. 1951.

(CLML 22:3)

1. Of the Third Internal Clinic (Head--Prof. J. Charvat, M. D.) Branch (Head--Docent Ladislav Filip, M. D.)

Calorimetric measurement of the heat of wetting of dust. E. Prokopová (Ústav hyg. práce, Prague). *Chem. Listy* 46, [?] (1952).—An analysis of errors is given, and limitations of these measurements are shown.   E. Erdős

PROKOPOVÁ, E; MUNK, P.

Czechoslovakia

Institute of Macromolecular Chemistry, Czechoslovak
Academy of Science -- Prague - (for all)

"Protein Interactions. XXXVII. Interaction of Dyes with
Native and Heat-Denatured Human Serum Albumins."

2

PROKOPOVA, E.; MUNK, P.

Protein interactions. Pt. 37. Coll Cz Chem 28 no.4:957-971
Ap '63.

1. Institute of Macromolecular Chemistry, Czechoslovak Academy
of Sciences, Prague.

PROKOPOVÁ, E; MUNK, P.

Czechoslovakia

Institute of Macromolecular Chemistry, Czechoslovak
Academy of Science -- Prague - (for all)

"Behavior of Macromolecules in Solution. III Binding
of Small Molecules to Interacting Macromolecules."

2

PROKOPOVA, E

Determination of ionic adsorption sites on the surface of crystalline quartz. E. Prokopova (Ústav his. mat., Prague). *Chem. Listy* 50. ...groups ≥SiOH ⇄ ≥SiO + H⁺ on the surface of milled quartz are responsible for chemisorption of bases such as NaOH or NH₄OH. By treating the quartz powder with NaOH and detg. the unadsorbed NaOH, sorption capacity of the quartz powder of the surface 6000 sq. cm./g. was found to be 1.3 meq./100 g.   M. Hudlický

C Z E C H

Investigation of surface activity of substances suitable for dust wetting in mines. B. Prokopová and O. Nováková (Charles Univ., Prague). *Pracovni Lékařství* 6, 6-11(1954). —The use of wetting agents in combatting dust is reviewed. Expts. dealing with their effect on surface tension, angle of contact, and heat of wetting are described. 29 references.

L. J. Urbánek

CZECHOSLOVAKIA / Chemical Technology. Chemical Products   H
          and Their Applications. Elements. Oxides. Mineral
          Acids, Bases, Salts.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12316.

Author : Prokopova, Eva.
Inst   : Not given.
Title   : Purification of Sulfur Obtained from Arsenic by
          the Thioarsenic Method.

Orig Pub: Chem. prumysl, 1958, 8, No 5, 246-247.

Abstract: Methods for purifying S obtained from As by the
          thioarsenic method were investigated under various
          (laboratory) conditions. In spite of the analyti-
          cal errors in determining As in purified S and of
          the fact that some tests were not successfully
          reproduced, it can be considered as established
          that by means of a suspension of $Ca(OH)_2$, or better
          $Mg(OH)_2$, almost complete removal of As from S can
          be achieved. Bib. 13 titles. -- From author's
          resume.

Card 1/1

21

PROKOPOVA, Eva, Ing.

Introduction to physicochemical problems of etiology of silicosis.
Pracovni lek. 6 no.6:354-360 15 Nov 54.

1. Ustav higieny prace a chorob z povolani, Praha. Raditel prof.
MUDr J.Teisinger
        (SILICOSIS, etiology and pathogenesis
            chem. & phys. factors)

AUTHORS: Bashko, A., Prokopova, G., Kolomiyets, B.T.,
             Pavlov, B.V., and Shilo, V.P.

TITLE: Absorption spectra of glasses of the $As_2S_3-As_2Se_3$
             system

PERICDICAL: Optika i spektroskopiya, v.12, no.2, 1962, 275-277

TEXT: The purpose of this work was to extend the study of
the absorption spectra of the above system to the region of 25 μ,
so as to determine the wavelengths of all the absorption bands.
The glasses were compounded according to the method given
previously (Ref.4: B.T. Kolomiyets, N.A. Goryunova, ZhTF, 25,
1955, 984; B.T. Kolomiyets, N.A. Goryunova, V.P. Shilo, Tr. III
Vsesoyuzn. soveshch. po stekloobrazn. sost. (Proceedings of the
3rd Conference on vitreous state) L., 1959). The following were
prepared: As_2S_3; $5As_2S_3 \cdot As_2Se_3$; $2As_2S_3 \cdot As_2Se_3$; $As_2S_3 \cdot As_2Se_3$;
$As_2S_3 \cdot 2As_2Se_3$; $As_2S_3 \cdot 5As_2Se_3$; As_2Se_3. Disc-shaped samples
20 mm in diameter and 0.15-3.0 mm thick were cut out, ground and

Card 1/2

Absorption spectra of glasses of ...   S/051/62/012/002/015/020
                                         E202/E192

polished. Transmission spectra were measured on spectrophoto-
meters $C\phi$-4 (SF-4) (0.5-1.2 μ); ИКС-14 (IKS-14) (0.8-18.0 μ);
and Zeiss UR-10 (2-25 μ). In the region of 1-18 μ, the authors
found certain discrepancies between their data for the absolute
transmittivity and the position and depth of the strongest
absorption bands, and those given in previous papers (Refs. 1 and
2: Proc. of the 3rd Conference on vitreous state, L., 1959).
In the long wavelength region all the glasses had their absorption
bands beyond $\lambda = 25$ μ, and hence could not be determined
accurately. Optical absorption curves for As_2S_3; $As_2S_3 \cdot As_2Se_3$;
and As_2Se_3 were given. Some of the absorption bands were
attributed to traces of As_2O_3, and others to the so far
unidentified contaminants.
There are 2 figures and 2 tables.

SUBMITTED: February 11, 1961

Card 2/2

ACC NR: AP6029554   SOURCE CODE: UR/0422/66/000/003/0093/0093

AUTHOR: Trishevskiy, I. S.; Prokopova, G. I.; Dzina, Yu. V.

ORG: Ukrainian Scientific Research Institute of Metals (Ukrainskiy nauchno-issledovatel'skiy institut metallov)

TITLE: Technical specifications for cold-bent steel

SOURCE: Standarty i kachestvo, no. 3, 1966, 93

TOPIC TAGS: low alloy steel, structural steel, carbon steel, metal property, solid mechanical property, scientific standard

ABSTRACT: State Standard (GOST) 11474-65 is for "Steel, Cold-Formed. Technical Specifications." The date for introducing it is January 1, 1967. The standard was developed by the Ukrainian Scientific Research Institute of Metals.

The standard encompasses cold-bent shapes of various forms, sizes and designations, made of common hot-rolled carbon steel, quality carbon, structural and low-alloy steel with a time-to-failure less than 60 kg-sec/mm^2.

The possibility is of making cold-bent shapes from steels of other grades with a time-to failure exceeding 60 kg-sec/mm^2 has been provided.

In cold-bent shapes the mechanical properties, if this a specification of the order, are determined according to the initial sheet billet;

Card 1/2

ACC NR: AP6029554

they should satisfy the norms of the corresponding standards (GOST-500-58, GOST 501-58, GOST 914-56, etc.) or special technical conditions. Tests of mechanical properties of the initial billet are conducted according to GOST 1497-61.

The finished product should be inspected by the manufacturer's quality control section.

The manufacturer should guarantee conformity of all products with specifications of the present standard.

The introduction of the standard into practice will eliminate present differences in technical conditions for the delivery of shapes.

[JPRS: 36,728]

SUB CODE: 11, 20 / SUBM DATE: none

Card 2/2 HS

TISHEVSKIY, L.S.; MEL'NYAKOV, Ya.N.; [illegible], [illegible].

   Corrugated thin-wall steel. Standartizatsiia [illegible]
   no. 1 '64.

/5.2/20

67007

CZECH/37-59-1-21/26

AUTHORS: A. Vaško, H. Prokopová

TITLE: Letter to the Editor: The Transmission of <u>Arsenic Glass</u>[5] in the Region from 15 μ to 25 μ

PERIODICAL: Československý Časopis Pro Fysiku,1959,Nr 1,pp 111-112

ABSTRACT: Arsenic glass (As_2S_3 or As_2S_5) is a promising optical material for the <u>infra-red region</u>.[1] Its transmissivity (Refs 1-7) and reflectivity (Ref 8) have been measured up to 15 μ. This wavelength is usually considered the absorption edge. However, we have found in locally prepared material that after the strong absorption band at 15 μ, there is a further region of transmissivity. Fig 1 shows a typical absorption spectrum for a sample 0.98 mm thick. The new transmission region has a maximum at 17.18 μ and ends with a further absorption band.

Card   Further work is in progress.
1/1   There are 1 figure and 8 references, of which 6 are English and 1 is Russian and 1 is German.

ASSOCIATION: Ústav pro výzkum optiky a jemné mechaniky, Praha (Optics and Precision Mechanics Research Institute, Prague)

SUBMITTED: September 2, 1958

/5.2120

67007

CZECH/37-59-1-21/26

AUTHORS: A. Vaško,   H. Prokopová

TITLE: Letter to the Editor: The Transmission of Arsenic Glass[15] in the Region from 15 μ to 25 μ

PERIODICAL: Československý Časopis Pro Fysiku,1959,Nr 1,pp 111-112

ABSTRACT: Arsenic glass (As_2S_3 or As_2S_5) is a promising optical material for the infra-red region.[2] Its transmissivity (Refs 1-7) and reflectivity (Ref 8) have been measured up to 15 μ.   This wavelength is usually considered the absorption edge.   However, we have found in locally prepared material that after the strong absorption band at 15 μ, there is a further region of transmissivity.   Fig 1 shows a typical absorption spectrum for a sample 0.98 mm thick.   The new transmission region has a maximum at 17.18 μ and ends with a further absorption band.

Card   Further work is in progress.
1/1   There are 1 figure and 8 references, of which 6 are English and 1 is Russian and 1 is German.

ASSOCIATION: Ústav pro výzkum optiky a jemné mechaniky, Praha (Optics and Precision Mechanics Research Institute, Prague)

SUBMITTED: September 2, 1958

COUNTRY   : Czechoslovakia   B-6
CATEGORY   :

ABS. JOUR.   : RZKhim., No. 23 1959, No.   51237

AUTHOR   : Prokopova, H.; Vasko, A.
INST.   : Not given.
TITLE   : The Transmissivity of Arsenic Glass in
               the 15μ–25μ Range.

ORIG. PUB.   : Czechosl. Phys. Zh, 1959, 9, #2, 270.

ABSTRACT   : In the IR absorption spectra of arsenic
               glass (specimens were 0.98 mm thick), a
               transparency region with a maximum at 552
               cm^{-1} was found. The region terminates with
               a very intense absorption band, beyond which
               ($<$400 cm^{-1}) possibly lies another trans-
               mitting region.

                                    -- V. Kolesova

CARD: 1/1

                        17

CZECHOSLOVAKIA/Optics - Spectroscopy.

K

Abs Jour   : Ref Zhur Fizika, No 12, 1959, 28578

Author   : Vasko, A., Prokopova, H.
Inst   : -
Title   : Infrared Spectroscopy and Its Applications.

Orig Pub   : Jemna mech. a opt., 1958, 3, No 9, 303-307

Abstract   : Brief survey of the apparatus, technology, and appli-
cations of infrared spectroscopy in the region up to
50 microns. In the first part are considered: the
nature of rotation-vibration spectra, absorption and
radiation, sources of infrared rays, receivers, and
optical materials.

Card 1/1

- 135 -

PROKOPOVA, H.

CZECHOSLOVAKIA / Laboratory Equipment. Instruments: Theory,   F
                Construction and Application.

Abs Jour   : Ref Zhur - Khimiya, No 10, 1959, No. 34673

Author   : Vasko, A.; Prokopova, H.
Inst   : Not given
Title   : Infrared Spectroscopy and Its Applications

Orig Pub   : Jemna mech. a opt., 1958, 3, No 9, 303-307

Abstract   : A survey. -- A. Sarakhov

Card 1/1

PROKOPOVA, H.

TECHNOLOGY

PERIODICALS: JEMNA MECHANIKA A OPTIKA Vol. 3, no. 10, Oct. 1958

VASKO, A.: PROKOPOVA, H. Infra-red spectroscopy and its uses. p. 334

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
                                                 May 1959, Unclass.

CZECHOSLOVAKIA/Optics - Spectroscopy.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 14208

Author   : Prokopova, H.
Inst   : -
Title   : Infrared Spectroscopy and Its Application.

Orig Pub : Jemna mech., A opt., 1958, 3, No 10, 334-339

Abstract : No abstract.

Card 1/1

Country   : Czechoslovakia
Category   :   F

Abs. Jour   :
                                                          45652
Author   : Vasko, A. and Prokopova, A.
Institut,   : Not given
Title   : IR Spectroscopy and Its Applications

Orig Pub.   : Jemna Mech a Opt, 3, No 10, 334-339 (1958)

Abstract   : A review article with a bibliography listing
                   seventeen articles. For the beginning see
                   RZhKhim, No 10, 1959, 34673.

                                            Ya. Satunovskiy

Card: 1/1

CZECHOSLOVAKIA

PROKOPOVA, J.

Committee for the Further Development of the General
    Health Laboratory (Stredisko pro dalsi vzdelavani
    strednich zdravotnickych prcovniku), Brno

Prague, Prakticky lekar, No 3, 1963, pp 104-106

"Physical Training in Obstetrics and Gynecology."

PROKOPOVA, Jirina

On various problems in further education of district midwives.
Cesk. gynek. 28 no.6:415-418 '63.

1. Ustav pro dalsi vzdel. stred. zdrav. pracovniku v Brne,
reditel MUDr. L. Dobes.
          (MIDWIVES)   (GYNECOLOGY)   (OBSTETRICS)
                    (EDUCATION, NURSING)

DMITRIYEV, M.L., prof.; PROKOPOVA, L.V., kand.med.nauk

Characteristics of the course of acute appendicitis in children with spinal fractures. Vest. khir. 93 no.12:88-90 D '64.

(MIRA 18:5)

1. Iz kafedry khirurgii i ortopedii detskogo vozrasta (zav. - prof. M.L.Dmitriyev) Odesskogo meditsinskogo instituta imeni Pirogova (rektor - prof. I.Ya.Deyneka).

PROKOPOVA, L. V., Cand of Med Sci — (diss) "Acute Appendicitis in Children, "

Odessa, 1959, 15 pp (Odessa State Medical Institute im N. I. Pirigov) (KL, 2-60, 117)

CZECH

Influance of some substances with anticarcinogenic effect on mice leukemia. V. Pujman, V. Doleželová, and S. Prokopová (Pharm. Biochem. Research Inst., Prague). Československá Onkológia 2, 33-7(1955).—Effects of γ-(p-methoxyphenyl)-α,β-dichlorocrotonolactone (I), 1,4-bis(methylsulfonyloxy)butane (Myleran) (II), and pentamethyleneamide of bisethyleneiminophosphoric acid (Phosphoramide) (III) were tested on C57 black strain mice with transplanted leukemia. The preventive inhibitory influence on the development of leukemia and the direct antileukemic effect were followed. I in doses of 20-40 mg./kg. of body wt. and II in doses of 10-30 mg./kg. had little effect on leukemia. III in doses above 20 mg./kg. extended the survival of leukemic mice, regulated the blood picture, and, in lower doses, reduced the wt. of liver and spleen.   L. J. U.

DMITRIYEV, M.L., prof.; PROKOPOVA, L.V.

Rare case of congenital intestinal pathology. Khirurgiia 34 no.9:
106-107 S '58.

(MIRA 12:4)

1. Iz kafedry khirurgii detskogo vozrasta i detskoy ortopedii (zav. -
prof. M.L. Dmitriyev) Odesskogo meditsinskogo instituta imeni N.I.
Pirogova (dir. - prof. I.Ya. Deyneka).

(INTESTINES--ABNORMITIES AND DEFORMITIES)

PUJMAN, V.; DOLEZELOVA, V.; PROKOPOVA, S.

Effect of some antitumorous agents on leukemia in mice.
Cesk. onkol. 2 no.1:33-37 1955.

1. Vyzkumny ustav pro farmacii a biochemii v Praze. Dr.
V. Pujman a spolupracovnici, Praha XII, Kourimska 17.
    (LEUKEMIA, experimental
        eff. of antitumorous agents in mice)

PUJMAN, V.; PROKOPOVA, S.; REICHLOVA, R.; MULLER, V.

Lymphogenic leukemia in black mice C57. Cesk.onkol. 2 no.2-3:128-132 1955.

1. Vyzkumny ustav pro farmacii a biochemii v Praze. Dr. Vojtech Pujman a spolupracovnici, Praha XII, Kourmska 17.
    (LEUKEMIA, LYMPHATIC, experimental,
        in mice C57)

PUJMAN, V.; PROKOPOVA, S.; REICHLOVA, R.; MULLER, V.

Mouse leukemia C 57 VUFB. Cesk.onkol. 1 no.3-4:235-242 1954.

1. Vyzkumny ustav pro farmacii a biochemii, Praha. Dr. V.Pujman
a spolup., Praha XII, Kourimska 17.
        (LEUKEMIA, experimental,
          in mice)
        (NEOPLASMS, experimental,
          leukemia in mice)

1900. PUJMAN V., PROKOPOVÁ S., DOLEŽELOVÁ V., MÜLLER V. and RYCH-
TEROVÁ H. Res. Inst. of Pharm. and Biochem., Prague. *Blast-cell
leukaemia of mice strain AKR CSL.ONKOL. 1956, 3/1 (42-47)
Graphs 1 Tables 2 Illus. 2

The authors observed changes characteristic of leukaemia in mice of the AKR
strain three months after X-ray irradiation with a total dose of 400 r. in three
partial doses. Haematological, biometrical, cytological and histological exami-
nations as well as the transplantation experiments confirmed the blast-cell leu-
kaemic nature of this neoplasm.   Stasney - Philadelphia, Pa. (V,16)

PROKOPOVICH, N.N.

Propolis, a new anesthetic. Vrach.delo no.10:1077-1079 O '57.

(MIRA 10:12)

1. Kafedra farmakologii (zav. - prof. A.I.Cherkex, rukovoditel' raboty prof. P.V.Rodionov) Kiyevskogo meditsinskogo instituta.

(ANESTHETICS)

PROKOP'YEVA, A.N.; GRINZAYD, Ye.L.; TYUMENEVA, S.T., red.; GVIRTS, V.L.,
tekhn.red.

[Spectrum analysis of nickel; practices of cooperation of a
plant with the M.I.Kalinin Polytechnic Institute in Leningrad]
Spektral'nyi analiz nikelia; iz opyta tvorcheskogo sodruzhestva
zavoda s Leningradskim politekhnicheskim institutom im.
M.I.Kalinina. Leningrad, 1955. 13 p. (Leningradskii dom nauchno-
tekhnicheskoi propagandy. Informatsionno-tekhnicheskii listok,
no.48(736))   (MIRA 10:12)
                        (Nickel--Spectra)

Prokoshkin, Yu. D.

PARTICLE ACCELERATORS: PHASOTRON

"Investigation of the Energy Spectrum of the Protons of the Internal
Beam of a Phasotron", by Yu.D. Prokoshkin and G.N. Tentyukova, Joint
Institute for Nuclear Research, Pribory i Tekhnika Ekspemimenta, No 2,
March-April 1957, pp 18-22.

The authors examine a method for measuring the energy spectrum of
the particles of the internal beam of a phasotron. In the energy
range from 400 to 650 Mev, they measure the spectrum of internal-beam
protons of the six-meter phasotron of the Joint Institute for Nuclear
Research. Reference is made to the articles by Wolfgang and Friedlan-
der (Physical Review, 1954, 96, 190) and of Friedlander, Hudis, and
Wolfgang (Physical Review, 1955, 99, 263).

Card 1/1

PETRUKHIN, V.I.; PROKOSHKIN, Yu.D.; SOROKO, V.M.

      Liquid-hydrogen target made from polyfoam. Prib. i tekh.
      eksp. 9 no.2:22-23 Mr-Ap'64.   (MIRA 17:5)

      1. Ob"yedinennyy institut yadernykh issledovaniy.

PROKOSHKIN, Yu. D.

56-2-1/47

AUTHOR   PROKOSHKIN, Yu. D., TIAPKIN, A.A.,
TITLE   Production of Neutral π-Mesons on Various Nuclei by ... ...
Protons
(Obrazovaniye neytralnykh, π-mesonov na yadrakh razlichnykh elementov
protonami v intervale energii 260 - 660 MeV. Russian)

PERIODICAL   Zhurnal Eksperim. i Teoret. Fiziki 1957, Vol 33, Nr 2 (8), pp 313 -
- 319 (U.S.S.R.)

ABSTRACT   If complex nuclei are bombarded with protons (260 - 660 MeV of the
6 m phasotron), it is possible to prove the forming of π-mesons by
the quanta γ accompanying their decay.

The angular distribution of these γ-quanta, which in practice corre-
sponds to the angular distribution of the π-mesons, was   measured
for the following nuclei and elements (proton energy 660 MeV):

element	0°	35°	55°	160°	169°	180°	angle in C... s.
Li^6	×		×	×		×	
Li^7	×	.	×	×	×	×	
Be	×		×	×		×	
C	×	×	×	×	×	×	

Card 1/2

56-2-1/47

Production of Neutral π-Mesons on Various Nuclei by 2.0 - 660 bev
Protons

element	0°	35°	55°	160°	169°	180°	angle is ...
Al	×		×	×		×	
Cu	×		×	×		×	
Cd, Sn	×		×			×	
Pb	×		×	×		×	

Furthermore, the dependence of the differential cross section on
atomic weight was determined for the following different proton ener-
gies: 260, 340, 445 and 660, and the angles 33°, 147°, 40°, 140° in
the elements D, Li^6, Li^7, Be, C, Al, Cu, Sn, Pb, U.
(With 4 tables, 2 illustrations, and 6 Slavic references).

ASSOCIATION   United Institute for Nuclear Physics
               (Obyedinennyy institut yadernykh issledovaniy)
PRESENTED BY
SUBMITTED   27.2.1957
AVAILABLE   Library of Congress
Card 2/2

PROKOPOVA, E. D.

"Psychopathic Disorders Accompanying Cerebral Adiposity in Children,"

Vop. Ped. i. Okhran, Mater. i. Det., 16, No. 6, 1948. Psychiatric Clinic,

Leningrad Pediatric Inst., -c1948-.

PROKOPOVA, Ye. D.

"A Special Form of Irregular Psychic Under-development in Children, Its Clinicoexperimental Analysis and Basis." Cand Med Sci, Leningrad Pediatrics Medical Inst, Leningrad, 1954. (RZhBiol, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

PROKOPOVA-ROUBALOVA, D.; TESAREK, B.

Effect of some substances on the bone tissue of rats. Fysiat.
vestn. 43 no.6:346-350 D '65.

1. Vyzkumny ustav chorob revmatickych v Praze (reditel: prof. dr.
F. Lenoch, DrSc.,.

Prokopovich, A.

PHASE I BOOK EXPLOITATION

130

AUTHOR: Prokopovich, A.

TITLE: Technical Progress in Machine-tool Building (Tekhnicheskiy progress v stankostroyenii)

PUB. DATA: Moskovskiy rabochiy, Moscow, 1957, 150 pp., 5,000 copies

ORIG. AGENCY: None given

EDITOR: Gurov, S.; Tech. Ed.: Yakovleva, Ye.

PURPOSE: This book acquaints the general reader with the status of the machine-tool building industry of the USSR.

COVERAGE: This book reviews briefly existing machine tools and methods of metalworking and outlines the basic objectives of Soviet machine-tool designers regarding the modernization of the existing stock and the automation of some of the machine tools scheduled for production within the sixth Five Year Plan. According to the figures released by

Card 1/3

the TsSU (Central Statistical Administration), as of January
1, 1956, the Soviet machine-tool pool consisted of 1.76 million
machine tools, of which 18.2 percent were 20 years old or older.
References are made to the inadequate supply of press forging
equipment and to poor utilization of existing stocks. In this
respect, the USSR is considerably behind the U.S. where press-
forging equipment accounts for 22.3 percent of total machine
shop equipment. Th USSR's share in this respect is only
16.5 percent. The Soviet stock of press-forging machines is
also unsatisfactory in that it contains too large a percentage
of drop-forge equipment (9%) and not enough sheet stamping,
hot rolling, and die stamping presses. The United States
processes 40 times as many hot stamping crank presses as the
USSR. Some statistical data is included. There are no
references or personalities mentioned.

TABLE OF
CONTENTS

Card 2/3

Technical Progress in Machine-tool Building   130

    Increasing the Efficiency (Productivity) of the
    Cutting Process   30

    Let's Raise the Technical Standards for
    Machines   49

    Ways and Means of Automation   57

    About Lathe Model 1K62   86

    Automatic Transfer Machines   94

    Let's Improve the Operating Stock of Machine
    Tools   133

    Appendices   146

AVAILABLE: Library of Congress   TJ 1185.P74

VK/ksv
6-19-58

Card 3/3

PROKOPOVICH, A.

Prospects of further automation in machinery manufacturing.
Vop. ekon. no.12:71-80 D '61.   (MIRA 14:11)
                        (Machinery industry)
                        (Automation)

LEVINA, S.A.; YERMOLENKO, N.F.; MALASHEVICH, L.N.; PROKOPOVICH, A.A.

Some substituted forms of the NaX zeolite. Dokl. AN BSSR 8 no.7:
452-454 '64.   (MIRA 17:10)

1. Institut obshchey i neorganicheskoy khimii AN BSSR.

KOLOKOLOV, N.M., inzh.; MIKHIN, N.I., inzh.; PROKOPOVICH, A.G., kand.
        tekhn.nauk; POL'YEVKO, V.P., kand.tekhn.nauk

Study of a prestressed beam with highstrength reinforcing
bars. Transp. stroi. 11 no.5:40-42 My '61.   (MIRA 14:6)
    (Girders) (Bridges, Concrete) (Concrete reinforcement)

FILATOV, V.P.; PROKOPOVICH, A.Ye., redaktor; TIKHANOV, A.Ya., tekhnicheskiy
    redaktor; MATVEYEVA, Ye.N., tekhnicheskiy redaktor

[Modernization of gear-cutting machines; a manual of instructions]
Modernizatsiia zubofrezernykh stankov; rukovodiashchie materialy.
Pod red. A.E.Pokopovicha. Moskva, Gos. nauchno-tekhn.izd-vo mashino-
stroit.lit-ry, 1957. 106 p.   (MLRA 10:8)

1. Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut
metallorezhushchikh stankov
        (Gear-cutting machines)

PROKOPOVICH, A.A., inzh.; BOL'SHAKOV, I.G., inzh.

Dressing iron quartzites at the Olenogorsk Plant. Gor. zhur. no.5:53-55
My '58.   (MIRA 11:6)

1.Olenogorskoye rudoupravleniye.
   (Olenogorsk--Ore dressing) (Quartzite)

*P*ROKOPOVICH, A A

127-58-5-16/30

AUTHORS: Prokopovich, A.A., and Bol'shakov, I.G., Engineers

TITLE: Concentration of Ferruginous Quartzites in the Olenegorsk
            Plant (Obogashcheniye zhelezistykh kvartsitov na Olene-
            gorskoy fabrike)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 5, pp 53-55 (USSR)

ABSTRACT: The Olenegorskaya obogatitel'naya fabrika (Olenegorsk Con-
            centration Plant) was constructed according to a design
            by the Institute "Mekhanobr", and was put into operation
            in 1955. Its annual rated capacity is 6.6 million tons
            of ore or 2.8 million tons of concentrate, of which the
            first section of the plant should produce 1.6 million tons.
            The base of raw material for this plant is the Olenegorsk
            deposit of ferruginous quartzites with an average iron con-
            tent of 30.4%. The plant has 3 departments: crushing,
            concentration and dehydration. The crushing department
            consists of the buildings for coarse and fine crushing
            and 10,000-ton-capacity hoppers for crushed ore. The con-
            centration department consists of a main building connec-
Card 1/2   ted by an underground gallery to a concentration building.

127-58-5-16/30

Concentration of Ferruginous Quartzites in the Olenegorsk Plant

The dehydration department consists of a building for dry-
ing, a 60,000-ton dehydration store-room and a 50,000-ton
dry concentrate store-room. In operation, some defects
of the technological procedure were disclosed which have
been or will be eliminated in the future. The third crush-
ing line with a yearly capacity of 6.6 million tons of ore
is to be constructed from 1958 to 1960. Expansion of the
concentration building has begun, aiming at a yearly 2.8
million tons of concentrate by 1960. The expansion of
the drying building has been completed and 5 additional
drying drums have been installed.
There is 1 diagram, 1 table, and 4 Soviet references.

ASSOCIATION: Olenegorskoye rudoupravleniye (Olenegorsk Mine Administration)

AVAILABLE: Library of Congress

Card 2/2   1. Mines-Development   2. Mines-Operation   3. Mines-Production

KOLOKOLOV, N.M., doktor tekhn. nauk; KEDROV, A.I., kand. tekhn. nauk;
    PROKOPOVICH, A.G., kand. tekhn. nauk; BALYUCHIK, E.A., inzh.;
    BELENCHENKO, V.A., inzh.; SUSLOV, F.I., inzh.

Tensioning of rod reinforcement of piling by the electrothermal
method. Transp. stroi. 15 no.4:22-25 Ap '65.

(MIRA 18:6)

BEREZANTSEV, V.G.,prof.; YAROSHENKO, V.A.; PROKOPOVICH, A.G.; RAZORENOV, I.F.;
SIDOROV, N.N.; SOROKIN, N.N.,red.; BOBROVA, Ie.N.,tekhn.red.

[Research on the strength of sand foundations] Issledovaniia
prochnosti peschanykh osnovanii. Moskva, Gos. transp.zhel-dor.
izd-vo, 1958. 139 p. (Babushkin, Vsesoiuznyi nauchno-issledovatel'-
skii institut transportnogo stroitel'stva. Trudy, no.28)

(MIRA 12:2)

(Foundations)   (Sand)

PROKOPOVICH A. G.

BERUZANTSEV, V.G., doktor tekhn. nauk; PROKOPOVICH, A.G., kand. tekhn. nauk;
YAROSHENKO, V.A., kand. tekhn. nauk.

Calculating stability of sandy soils for building foundations.
Transp. stroi. 7 no.11:21-24 N '57.   (MIRA 11:2)
            (Soil mechanics)   (Foundations)

YAROSHHNKO, V.A., kand.tekhn.nauk; PROKOPOVICH, A.G., kand.tekhn.nauk;
    GALCHENKOV, A.M., starshiy master.

    Remote measurement of the degree of stress in testing model
    structures on a centrifuge. Transp.stroi. 7 no.8:29-31 Ag '57.
                                                    (MIRA 10:12)
            (Telemetering)   (Strains and stresses)

PROKOPOVICH, A.G., kandidat tekhnicheskikh nauk.

Determining the settling of structures. Transp. stroi. 7 no.3:25-27
Mr '57.   (MIRA 10:6)
                        (Soil mechanics)

PROKOPOVICH, A.G., kand.tekhn.nauk

Designing oblique nonhinged vaults. Trudy TSNIS no.4:38-55 '52.

(MIRA 12:1)

(Vaults)

PROKOPOVICH, A.G., kandidat tekhnicheskikh nauk.

Experimental investigation of fill settlement. Transp.stroi.6
no.11:8-11 N '56.   (MLRA 10:1)
            (Embankments) (Soil mechanics)

KHLEBNIKOV, Ye.L. professor; ANDREYEV, O.V., kandidat tekhnicheskikh nauk;
     BEGAM, L.G., kandidat tekhnicheskikh nauk; BERG, O.Ya., kandidat
     tekhnicheskikh nauk; GAMAYUNOV, A.I., kandidat tekhnicheskikh nauk;
     DUCHINSKIY, B.M., kandidat tekhnicheskikh nauk; KAZEY, I.I., kandi-
     dat tekhnicheskikh nauk; DESOKHIN, B.F., kandidat tekhnicheskikh
     nauk; LUGA, A.A., kandidat tekhnicheskikh nauk; LYALIN,N.B., kandi-
     dat tekhnicheskikh nauk; MEL'NIKOV, Yu.L., kandidat tekhnicheskikh
     nauk; POL'YEVKO, V.P., kandidat tekhnicheskikh nauk; PROKOPOVICH I.
     G., kandidat tekhnicheskikh nauk; STRELETSKIY, N.N., kandidat tekhni-
     cheskikh nauk; TYULENEV, Ye.A., kandidat tekhnicheskikh nauk; KHROMETS,
     Yu.N., kandidat tekhnicheskikh nauk; SHELESTENKO,L.P., kandidat tekhni-
     cheskikh nauk; SHPIRO, G.S., kandidat tekhnicheskikh nauk: YAROSHENKO,
     V.A., kandidat tekhnicheskikh nauk; ZELEVICH, P.M., inzhener; CHEGO-
     DAYEV, N.N.; BOBROVA, Ye.N., tekhnicheskiy redaktor.

     [Technical specifications for designing bridges and pipes for railroads
     of a normal gauge (TUPM-56) Effective July 1, 1957 by order of Ministry
     of Means of Communication and the Ministry of Transportation Con-
     struction, September 15, 1956] Tekhnicheskie usloviia proektirovaniia
     mostov i trub na zheleznykh dorogakh normal'noi kolei (TUPM-56).Vvedeny
     v kachestve vremennykh s 1 iiulia 1957 g. prikazom Ministerstva putei
     soobshcheniia i Ministerstva transportnogo stroitel'stva of 15 sentia-
     bria 1956 g. No.250/TsZ/213. Moskva, Gos.transp.zhel-dor.izd-vo, 1957.
     221 p.   (MIRA 10:5)

     1. Russia (1923-   U.S.S.R.),Ministerstvo putey soobshcheniya.
                         (Railroad bridges--Design)

A. G. PROKOPOVICH,   N/5
                                                               661.3
    Vodopropusknyye Truby Pod Zheleznodorozhnymi nasypyami (Water   .Y2
Drainage Piping under Railway Embankments, By) V.A. Yaroshenko, O. B. Andreyev, A. G.
Prokopovich. Moskva, Transzheldorizdat 1952.
    230 P. Illus., Diagre., Graph, Tables (Trudy Vsesoyuzhnogo Nauchnoissledovatel'skogo
Instituta Zheleznodorozhnogo Stroitel'stva I Proyektirovaniya, vyp. 5)
    "Spisok Literatury": P. 230-(231)

KOLOKOLOV, N.M., inzh.; KEDROV, A.I., kand.tekhn.nauk; PROKOPOVICH, A.G.,
      kand.tekhn.nauk

High-tensile 30XG2S steel bar reinforcements in bridge construction.
Bet.i zhel.-bet. no.12:541-546 D '60.   (MIRA 13:11)
      (Bridges, Concrete)   (Reinforcing bars)

PROKOPOVICH, A.I., inzhener.

The fight for technological progress. Stroi.pred.neft.prom.1 no.9:24-
25 N '56.   (MIRA 10:1)

1. Direktor Kuybyshevskogo zavoda metallokonstruktsiy Ministerstva
stroitel'stva predpriyatiy neftyanoy promyshlennosti.
                              (Construction industry)

PRCKCPC JICH, H V.

USSR / Microbiology. Medical and Veterinary Microbiology. P5

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21937

Author : Geintse, E.A. and Prokopovich, A.V.
Inst   :
Title   : Pathogenic Microflora of Internal Organs in Septic Diseases
          and Toxic Dyspepsia in Children.

Orig Pub: V sb.: Vopr. vozrast. reaktivnosti v infekts. i immunol.
          proteessakh, L., Medgiz, 1955, 206-212

Abstract: 103 children's corpses were studied, dissected for diagnoses of
          sepsis and toxic dyspepsia. Bacteriological studies were carried
          out not later than 30 hours after death. The order of frequency
          was intestinal rods in first place (89.3%), then staphylococci
          (35.9%), streptococci (13.5%) and salmonella (10.6%). It was
          noted that the intestinal rods were present in equal frequency
          in toxic dyspepsia and sepsis; this raises doubts as to the role
          of intestinal rods as direct causes of these diseases. The find-
          ing of intestinal rods in the lungs and their absence at the same

Card   : 1/2   -5-

USSR / Microbiology. Medical and Veterinary Microbiology. F-5

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21937

time in the internal organs and vice versa affirms the doubts
as to their etiological significance. Only in 5 cases of sepsis
were the causative agents shown to be special variants of intes-
tinal rods A_4-A_5 separated as pure cultures in almost all the
organs of the dead children. In 9 cases of 44 it was established
that the sepsis stimulators were streptococci and staphylococci.
A large degree of variation distinguished the microbial flora
of 59 children's corpses dead of dyspepsia. The etiological role
cannot be eliminated for any of the isolated organisms of this
mixed flora.

Card   : 2/2   -6-

PROKOPOVICH, A.V.

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Author : Prokopovich, A.V.
Inst   : _____
Title : Anaerobic Microflora of Internal Organs of Children Dying
         of Various Infections.

Orig Pub: In the collection: Vpor. vozrast. reaktivnosti v infekts.
          i immunol. protsessakh. L., Medgiz, 1955, 213-215

Abstract: Tissue slices containing anaerobes were studied. After opening
          the corpse not later than 30 hours following its storage in a
          cold room, pieces of the organs including the small and large
          intestine in ground form were plated on a sugar-blood agar and
          on an endo medium. The platings were cultivated under aerobic
          and anaerobic conditons. The corpses of 90 children who had
          died of various infections were used. 78.8% were children who
          had died before reaching 1 year. The platings from 52 corpses
          were shown to be sterile. In order of frequency, the aerobes

Card   : 1/2   -3-